

In re application of:  
Akiyo YAMADA et al.

Intl. Appl. No.: PCT/JP00/04862

Appl. No.: Unassigned

Intl. Filing Date: July 19, 2000

Filed: January 18, 2002

For: ENVIRONMENTAL STRESS  
TOLERANT GENE

Art Unit: Unassigned

Examiner: Unassigned

Atty. Docket No.: 31671-176817

Customer No.



26694

PATENT TRADEMARK OFFICE

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Assistant Commissioner for Patents  
Washington, D.C. 20231

Attention: PCT DO/EO/US

Sir:

This is an Information Disclosure Statement submitted under 37 C.F.R. § 1.97 within the time specified under 37 C.F.R. § 1.97(b).

A Form PTO-1449 listing documents cited in the specification and International Search Report is attached.

Copies are enclosed of the Document Numbers AA-AF and AK-AX, which are cited in the specification in connection with the above international application, respectively.

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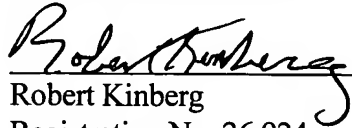
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pertaining to Information Disclosure Statements have been complied with, it is respectfully requested that the Examiner consider the cited publications and make them of record.

Date: 1/18/02

Respectfully submitted,



Robert Kinberg

Registration No. 26,924

VENABLE

P.O. Box 34385

Washington, D.C. 20043-9998

Telephone: (202) 962-4800

Telefax: (202) 962-8300

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First Named Inventor	Akiyo YAMADA et al.
Group Art Unit	Unassigned
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Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AM	Willem P.C. STEMMER, "DNA shuffling by random fragmentation and reassembly: In vitro recombination for molecular evolution", Proc. Natl. Acad. Sci. USA, Vol. 91, pages 10747-10751, October 1994	
	AN	James A. OSTREM et al., "Salt Stress Increases the Level of Translatable mRNA for Phosphoenolpyruvate Carboxylase in Mesembryanthemum crystallinum", Plant Physiol. 1987, 84, pages 1270-1275	
	AO	Greene Publishing Associates and Wiley-Interscience, "Current Protocols In Molecular Biology", 1987	
	AP	"Continuous cultures of fused cells secreting antibody of predefined specificity", Nature Vol. 256, pages 495-497, August 7, 1975	
	AQ	Danuta KOZBOR et al., "The production of monoclonal antibodies from human lymphocytes", Immunology Today, vol. 4, No. 3, 1983	
	AR	S.P.C. Cole, "Monoclonal Antibodies and Cancer Therapy", pages 77-96, 1985	
	AS	Hiroshi NOJIMA, "Idenshi Library no Sakuseihoo" (Methods of preparing gene library), ed., Yoodo-sha, 1994	
	AT	"Shokubutu saiboo koogaku nyumon (Introduction to plant cell engineering), Japan Scientific Societies Press, 1998	
	AU	Yukoh HIEI et al., "Efficient transformation of rice (Oryza sativa L.) mediated by Agrobacterium and sequence analysis of the boundaries of the T-DNA", The Plant Journal, 6(2), pages 271-282, 1994	
	AV	"Model shokubutu no jikken protocol" (Experimental Protocols for plant models), Shunjin-sha, 1996	
	AW	"Shokubutu soshiiki baiyoo no gijutu" (Technologies for culturing plant tissues), Asakura-shoten, 1983	

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	AB	Mitchell C. TARCZYNSKI et al., "Stress Protection of Transgenic Tobacco by Production of the Osmolyte Mannitol", Science, Vol. 259, January 22, 1993	
	AC	P.B. Kavi KISHOR et al., "Overexpression of $\Delta^1$ -Pyrroline-5-Carboxylate Synthetase Increases Proline Production and Confers osmotolerance in Transgenic Plants", Plant Physiol., 1995, 108, 1387-1394	
	AD	Hidenori HAYASHI et al., "Transformation of Arabidopsis thaliana with the codA gene for choline oxidase; accumulation of glycinebetaine and enhanced tolerance to salt and cold stress", The Plant Journal, 1997, 12, Pages 133-142	
	AE	Atsushi SAKAMOTO et al., "Metabolic engineering of rice leading to biosynthesis of glycinebetaine and tolerance to salt and cold", Plant Molecular Biology, 38, pages 1011-1019, 1998	
	AF	Gynheung AN "High Efficiency Transformation of Cultured Tobacco Cells", Plant Physiol., 1985, 79, pages 568-570	
✓	AG	Tetsuro MIMURA et al., "Efficient Callus Initiation from Leaf of Mangrove Plant, Bruguiera sexangula in Amino Acid Medium: Effect of NaCl on Callus Initiation, J. Plant Res., Vol. 110, No. 1097, 1997, pages 25-29	
✓	AH	Tetsuro MIMURA et al., "NaCl-Dependent Growth, Ion Content and Regeneration of Calluses Initiated from the Mangrove Plant, Bruguiera sexangula", J. Plant Res., 110, pages 31-36, 1997	
✓	AI	Elena SHEVELEVA et al., "Increased Salt and Drought Tolerance by D-Ononitol Production in Transgenic Nicotiana tabacum L.", Plant Physiol., 1997, 115, pages 1211-1219	
✓	AJ	"Expression of a Late Embryogenesis Abundant Protein Gene, HVA1, from Barley Confers Tolerance to Water Deficit and Salt Stress in Transgenic Rice", Plant Physiol., 1996, 110, pages 249-257	
	AK	David W. LEUNG et al., "A Method For Random Mutagenesis Of A Defined DNA Segment Using A Modified Polymerase Chain Reaction", A Journal of Methods In Cell And Molecular Biology, Vol. 1, No. 1, August 1989, pages 11-15	
	AL	Denise MUHLRAD et al., "A Rapid Method for Localized Mutagenesis of Yeast Genes", Yeast Vol. 8, pages 79-82, 1992	

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